EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

Teflon bellows seal
Y29

Mechanical Seals | Mechanical seals for pumps | Elastomer bellows seals

Features

- Rotating outside mounted Teflon® bellows seal
- Flexible Teflon® bellows takes more shaft run-outs
- Independent of direction of rotation
- Less number of parts in contact with media
- Silicon carbide faces for highly abrasive media

Advantages

- Cost effective solution for highly corrosive media
- No dynamic O-Ring, no hang-up, no shaft-sleeve damage
- Simple removable faces for easy replacement"

Operating range

Shaft diameter: d = 22 ... 75 mm (0.86" ... 2.95")
Pressure: p = 2 ... 5 bar (29 ... 72 PSI)
Temperature: Für jede Einbaulage geeignet.t = -75 °C ... +110 °C (-103 °F ... +230 °F)
Sliding velocity: vg = 25 m/s (82 ft/s)
Axial movement: ±0.8 mm

(Consult EB for applications outside above limits).

Materials

Seal ring: Carbon graphite resin impregnated, Glass filled Teflon®, Silicon carbide
Mating ring: Silicon carbide, Ceramic
Bellows : Glass filled Teflon®
Metal parts: SS 316, other materials on request

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Water and waste water technology
- Building services industry
- Food and beverage industry
- Sugar industry
- Horizontal and vertical pumps, agitators, mixers

Recommended piping plans

API Plan 02

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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

Dimensions

Dash size	D1	D2	L1
D016	25.40	57.2	28.6
D018	28.58	60.3	28.6
D020	31.75	63.5	28.6
D022	34.93	66.7	28.6
D024	38.10	71.4	28.6
D026	41.28	76.2	28.6
D028	44.45	79.4	28.6
D030	47.63	82.5	35.0
D032	50.80	85.7	35.0
D034	53.98	88.9	35.0
D036	57.15	92.1	35.0
D038	60.33	106.4	41.3
D040	63.50	109.5	41.3
D042	66.68	112.7	41.3
D044	69.85	115.9	41.3
D046	73.03	119.1	41.3
D048	76.20	122.2	41.3

Imperial size

Seal size	D1	D2	L1
0022	22.0	54.0	28.58
0024	24.0	55.6	28.58
0025	25.0	57.2	28.58
0028	28.0	60.3	28.58
0030	30.0	63.5	28.58
0032	32.0	63.5	28.58
0033	33.0	66.7	28.58
0035	35.0	66.7	28.58
0038	38.0	71.4	28.58
0040	40.0	76.2	28.58
0043	43.0	79.4	28.58
0045	45.0	79.4	28.58
0048	48.0	82.6	34.93
0050	50.0	85.7	34.93
0053	53.0	88.9	34.93
0055	55.0	92.1	34.93
0058	58.0	106.4	41.28
0060	60.0	106.4	41.28
0063	63.0	109.5	41.28
0065	65.0	112.7	41.28
0068	68.0	115.9	41.28
0070	70.0	115.9	41.28
0075	75.0	122.2	41.28

Metric size

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